

## **LAB SESSION-4**

### **CRAFTY GRILL**

#### **TEAM MEMBERS**

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#### **PROJECT PLAN**

Crafty Grill is a user-friendly food truck website that serve delicious and fresh cuisine throughout Chennai. It ensures comfortable dining experience at your home. In this project we aim to provide-

- A website which delivers food from food trucks and is easy to use.
- The website also provides the current location of the truck at any given instance which enables the customers to be able to track them.
- It helps increase the sales of food truck services as it isn't very prominent idea in India.

#### **EFFORTS AND COST ESTIMATION**

- Effort –  $3.2 * 0.45 * 3.0 ^ 1.05 = 4.56$  staff months
- Cost –  $2.5 * 4.56 ^ 0.38 = 4.44$  months ( development time )

#### **COCOMO**

Number of user inputs = 25(AVG)

Number of user outputs = 45(LOW)

Number of inquiries = 10(HIGH)

Number of files = 4(AVG)

Number of external interfaces = 2(AVG)

Effort = 36.9 p-m

Technical documents = 260 pages

User documents = 120 pages

Cost = \$8000/month

Various processing complexity factors are : 4,1,0,3,3,5,4,4,3,3,2,2,4,5

### **SOLUTION**

MEASUREMENT PARAMETER	COUNT		WEIGHING FACTOR
1. Number of external inputs(EI)	25	*	4 = 100
2. Number of external outputs(EO)	45	*	4 = 180
3. Number of external inquiries(EQ)	10	*	6 = 60
4. Number of internal files (ILF)	5	*	10 = 50
5. Number of external interfaces(EIF)	2	*	7 = 14
Count Total ->			404

$$\sum(f_i) = 4 + 1 + 0 + 3 + 3 + 5 + 4 + 4 + 3 + 2 + 2 + 4 + 5 = 43$$

$$FP = \text{Count total} * [0.65 + 0.01 * \sum(f_i)]$$

$$= 404 * [0.65 + 0.43]$$

$$= 436.32$$

$$\text{Productivity} = FP / \text{Effort} = 436.32 / 36.9 = 11.8$$

$$\text{Total pages of documentation} = \text{technical document} + \text{user document} =$$

$$= 260 + 120$$

$$= 380 \text{ pages}$$

$$\text{Documentation} = \text{Pages of documentation} / FP$$

$$= 380 / 436.32$$

$$= 0.87$$

$$\text{Cost per function} = \text{cost} / \text{productivity}$$

$$= 8000 / 11.8$$

$$= \$677.9$$

### **JOB ROLES AND RESPONSIBILITIES**

- Project Sponsor : Rohan Verma

- Subject matter expert : Ranchhoddas Shamaldas Chanchad
- Product owner : Farhan Qureshi
- Project manager : Raju Rastogi
- Technical lead : Hemalatha.T
- Software developers : Hemalatha.T, Yukta Kasina, Srishti Singh
- Software testers : Hemalatha.T, Yukta Kasina, Srishti Singh
- User acceptance testers : Chatur Ramalingam, Dr. Viru Sahastrabuddhe, Manmohan, Pia Choudhary, Supriya Tandon